

Title (en)

METHOD OF PRODUCING N-ALKYL-N'-NITROGUANIDINE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON N-ALKYL-N'-NITROGUANIDIN

Title (fr)

PROCEDE POUR PREPARER DE LA N-ALKYLE-N'-NITROGUANIDINE

Publication

EP 1133468 B1 20030820 (DE)

Application

EP 99959338 A 19991125

Priority

- DE 19854511 A 19981125
- DE 19946321 A 19990929
- EP 9909142 W 19991125

Abstract (en)

[origin: US6384277B1] The invention relates to a method of producing N-alkyl-N'-nitroguanidine. According to said method, an alkyl amine solution is added to a nitroguanidine or nitroguanidine nitrate suspension at temperatures of >60° C. and the ammonia formed is removed.

IPC 1-7

C07C 277/08; **C07C 279/36**

IPC 8 full level

C07C 277/08 (2006.01); **C06B 25/34** (2006.01); **C07C 279/34** (2006.01); **C07C 279/36** (2006.01)

IPC 8 main group level

C07C (2006.01)

CPC (source: EP US)

C06B 25/34 (2013.01 - EP US); **C07C 277/08** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6384277 B1 20020507; AT E247638 T1 20030915; CN 1207279 C 20050622; CN 1328542 A 20011226; DE 19956593 A1 20000531; DE 59906704 D1 20030925; EP 1133468 A1 20010919; EP 1133468 B1 20030820; ES 2205915 T3 20040501; JP 2002530367 A 20020917; NO 20012492 D0 20010521; NO 20012492 L 20010521; WO 0031025 A1 20000602

DOCDB simple family (application)

US 85671401 A 20010907; AT 99959338 T 19991125; CN 99813673 A 19991125; DE 19956593 A 19991125; DE 59906704 T 19991125; EP 9909142 W 19991125; EP 99959338 A 19991125; ES 99959338 T 19991125; JP 2000583853 A 19991125; NO 20012492 A 20010521